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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/620,605	07/17/2003	Qi Xiang	64965-168	9283
7590 06/21/2004 McDermott, Will & Emery 600 13th Street, N.W.			EXAMINER	
			CRANE, SARA W	
Washington, DC 20005-3096			ART UNIT	PAPER NUMBER
			2811	
			DATE MAIL ED: 06/21/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
		10/620,605	XIANG, QI				
	Office Action Summary	Examin r	Art Unit				
		Sara W. Crane	2811				
Period fo	Th MAILING DATE of this communication Reply	on app ars on the cover sh	et with the correspond nce ad	dress			
THE - Exte after - If the - If NO - Failt Any	ORTENED STATUTORY PERIOD FOR I MAILING DATE OF THIS COMMUNICAT nsions of time may be available under the provisions of 37 SIX (6) MONTHS from the mailing date of this communica period for reply specified above is less than thirty (30) day 0) period for reply is specified above, the maximum statutory are to reply within the set or extended period for reply will, by reply received by the Office later than three months after the departent term adjustment. See 37 CFR 1.704(b).	TION.  CFR 1.136(a). In no event, however, milion.  s, a reply within the statutory minimum period will apply and will expire SIX (6) y statute, cause the application to beco	nay a reply be timely filed  of thirty (30) days will be considered timely  MONTHS from the mailing date of this come ABANDONED (35 U.S.C. § 133).				
Status							
1)  🗙	Responsive to communication(s) filed or	o 07 April 2004.					
	_	This action is non-final.					
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
5)□ 6)⊠ 7)□ 8)□	Claim(s) 10-20 is/are pending in the app 4a) Of the above claim(s) is/are w Claim(s) is/are allowed. Claim(s) 10-20 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction ion Papers	ithdrawn from consideratior					
	•						
9) The specification is objected to by the Examiner.							
10)	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11)□	Replacement drawing sheet(s) including the The oath or declaration is objected to by	correction is required if the dra	wing(s) is objected to. See 37 CF				
	under 35 U.S.C. § 119						
-	•	and a mile of the order OF 11 O	0 0 440(-) (-) (-)				
а)	Acknowledgment is made of a claim for f  All b) Some * c) None of:  1. Certified copies of the priority doc  2. Certified copies of the priority doc  3. Copies of the certified copies of the application from the International  See the attached detailed Office action fo	uments have been received uments have been received be priority documents have I Bureau (PCT Rule 17.2(a)).	i.  I in Application No  Deen received in this National	Stage			
Attachmer	• •	A) Inter	view Summary (PTO-413)				
	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-9	·	or No(s)/Mail Date				
3) X Info	rmation Disclosure Statement(s) (PTO-1449 or PTO er No(s)/Mail Date 7117103	/SB/08) 5) ∐ Notic	e of Informal Patent Application (PTC r:	O-152)			

Application/Control Number: 10/620,605

Art Unit: 2811

## **DETAILED ACTION**

## Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 10-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Independent claim 10 recites at line 3 that the substrate comprises "first regions" (in the plural). Line 5 discusses removing silicon "only in the first region" (in the singular). Claims 11, 12, and 13 also refer to "the" first region. The claim language presumably describes a substrate having a plurality of "first regions," where, for example as in claim 11, all of the first regions would be implanted with p-type dopant. But one cannot determine whether the claim requires *all* such regions to have selectively removed silicon (as in claim 1). Perhaps "the first region" references all first regions collectively. But one could possibly read the phrase "the first region" as referring to only one of a plurality of first regions. So the claim language is unclear.

Yeo et al. and Fitzgerald address FETs having silicon overlying SiGe. The other two references are the parent of this case, and a co-pending case having the same inventor.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to S. Crane, whose telephone number is (571) 272-1652.

Art Unit: 2811

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist, whose telephone number is (571) 272-1562.

Sara W. Crane
Primary Examiner
Art Unit 2811